DC E53+ Digital Camera
User's Manual

Welcome

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iii Taking care of your camera

- Do not use your camera in the following environmental range: temperature below 0°C or above 40°C.
- Do not use or store your camera in the environments listed below:
  - Direct sunlight
  - High and dusty places
  - Next to an air conditioner, electric heater or other heat sources
  - In a closed car that is in direct sunlight
  - Unstable locations
- If your camera becomes wet, wipe it with a dry cloth as soon as possible.
- Salt or seawater may cause severe camera damage.
- Do not use organic solvents such as alcohol, etc., to clean your camera.
- If the lens is dirty, use a lens brush or soft cloth to clean the lens. Do not touch the lens with your fingers.
- To prevent electric shock, do not attempt to disassemble or repair your camera by yourself.
- Water may cause a fire or electric shock. Therefore, store your camera in a dry place.
- Do not use your camera outdoors when it is raining or snowing.
- Do not use your camera in or near water.
- If a foreign substance or water gets in your camera, please turn the power off immediately and disconnect the batteries and the power adapter. Remove the foreign substance or water, and send it to the maintenance center.
- Transfer the data to the computer as soon as possible to avoid losing your images and/or video clips.

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English

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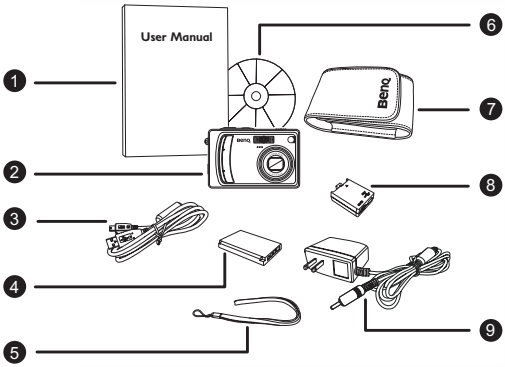
1 TOURING YOUR DC E53+

1.1 Checking the Package Contents

Carefully unpack your kit box and ensure that you have the following items. In the event that any item is missing or if you find any mismatch or damage, promptly contact your dealer.

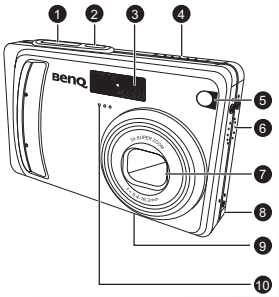


1. User manual
2. DC E53+ digital camera
3. USB cable
4. Battery
5. Hand strap
6. DC E53+ software CD-ROM
7. Camera pouch
8. Conversion adapter
9. AC adapter

If any of the items are missing or appear to be damaged, contact your dealer. Save the packaging in the event you need to ship your camera for service.

1.2 DC E53+ Components

1.2.1 Front View



1. Shutter button
2. Power button
3. Built-in flash
4. Mode switch
   - – Playback
   - – Movie
   - – Still picture
5. Self-timer LED (AF auxiliary light)
6. Speaker
7. Lens/Lens cover
8. Conversion adapter terminal
9. Tripod mount
10. Microphone

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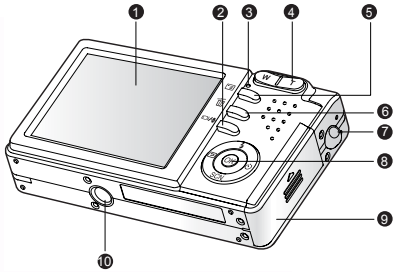
1.2.2 Rear View

1. LCD monitor
2. Display / Audio mode button
3. Status LED
4. **T** Zoom in button
   W Zoom out button
5. Menu button
6. Delete button
7. Strap eyelet
8. Control and Set buttons
9. Battery / SD memory card cover
10. Tripod socket



1.2.3 Status LED Indicator

Color	State	During Power Off
Status LED	Solid red	1. The digital still camera is powering up. 2. The digital still camera is in the process of battery charge.
	Blinking red	Image is being processed and stored to memory
	Solid green	USB communication is in progress
Self-timer LED	Blinking red	The self-timer function is activated.

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2 PREPARING YOUR DC E53+ FOR USE

2.1 Installing the Battery

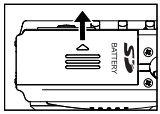
We highly recommend you to use the specified rechargeable lithium-ion battery to realize the full capability of your digital still camera. Make sure that the power of the digital still camera is off before inserting or removing the battery.

1. Open the battery/SD memory card cover (**A**).
2. Insert the battery in the correct orientation shown (**B**). Tilt the battery lock lever in the direction of the arrow and orient the battery so that its label is facing to the rear side of the camera, and then insert the battery.
3. Close the battery/SD memory card cover (**C**).

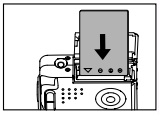
To remove the battery

Open the battery/SD memory card cover and then release the battery lock lever. When the battery has come out a little, slowly pull it out the rest of the way.

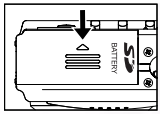
A



B

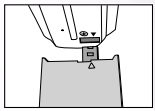


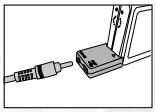
C



2.2 Charging the battery

The state-of-charge of the battery will affect the performance of the digital still camera. To maximize battery performance and lifetime, it is recommended that you fully charge the battery using the optional AC power adapter and then fully discharge it (through normal use) at least one time. Make sure that the power of the digital still camera is off and then insert the battery before starting.





1. Insert the conversion adapter into the conversion adapter terminal of the camera as shown in the illustration.
2. Connect one end of the AC power adapter to the DC IN terminal of the conversion adapter.
3. Connect the other end of the AC power adapter to a wall outlet. Charging time differs depending on the ambient temperature and the status of battery.

Notes

- The digital still camera must be used with the specified AC power adapter. Damage caused by the use of an incorrect adapter is not covered under the warranty.
- Always make sure that the digital still camera is off before removing the battery.
- The battery may feel warm after it has been charged or immediately after being used. This is normal and not a malfunction.
- When using the digital still camera in cold environments, keep the digital still camera and its battery warm by holding it inside your jacket or other warm protective environment.

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2.3 Using an AC power adapter

Using an AC power adapter prevents the digital still camera from automatically powering off while transferring files to your computer.

Perform the steps in the preceding section "Charging the Battery".

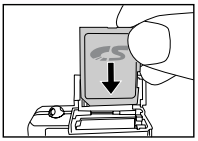
Note

Make sure to use only the AC power adapter specified for the camera. Damage caused by the use of an incorrect adapter is not covered under the warranty.

2.4 Inserting and Removing an SD Memory Card (Optional Accessory)

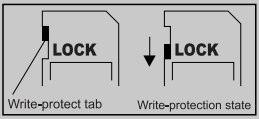
The digital still camera comes with internal memory, allowing you to record video clips, captured images, or voice files in the digital still camera. However, you can also expand the memory capacity by using an optional SD (Secure Digital) memory card so that you can store more files.

1. Always make sure the digital still camera is turned off before inserting or removing a memory card.
2. Insert an SD memory card in the correct orientation as shown in the illustration.
3. Close the battery/SD memory card cover.
   To remove the SD memory card, make sure the camera is turned off. Press lightly on the edge of the memory card and it will eject.



Notes

- Be sure to format an SD memory card with this digital still camera before using it.
- To prevent valuable data from being accidentally erased from an SD card, you can slide the write protect tab (on the side of the SD memory card) to "LOCK".



- To save, edit, or erase data on an SD memory card, you must unlock the card.
- You should format an SD memory card with the camera before using it for the first time.
- To format the internal memory, do not insert a memory card into the camera. Otherwise, you will format the memory card.
- Formatting is an irreversible action and data cannot be recovered at a later time.
- An SD memory card having any problem cannot be properly formatted.

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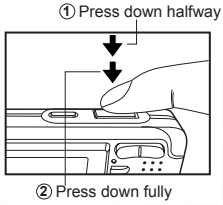
3.1 Capture Mode

1. Press the POWER button to turn on the camera.
2. Slide the mode switch to [ ].
3. Compose your image in the LCD monitor.
4. Press the shutter button down halfway (**1**), then press it down fully (**2**).
   - Pressing the shutter button down halfway automatically focuses and adjusts the exposure.
   - The focus-area frame turns blue when the camera is focused and the exposure is determined.
   - When the focus or exposure is not suitable, the frame of the focus area turns yellow.



- If the photographic preview is set to "ON", the captured image will be displayed while the image is being recorded onto the memory.

Notes

- The LCD monitor darkens in strong sunlight or bright light. This is not a malfunction.
- To prevent your images from being blurred while pressing the shutter button, always hold it carefully. This is especially important when you are shooting under low lighting conditions, which your camera may decelerate the shutter speed to ensure your images are properly exposed.
- Pressing the button changes the LCD display in the sequence of: Standard Display → Simplified Display → No Information.
- To review the last-captured image, press the button. Press the button again to return to the camera mode.

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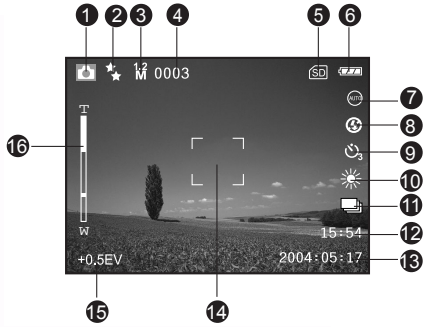
3.1.1 Capture Mode LCD Monitor Information



1. Camera mode
2. Image quality
   - [★★★] SUPER FINE
   - [★★] FINE
   - [★] NORMAL
3. Image size (resolution)
   - [5M] 2560 x 1920
   - [3M] 2048 x 1536
   - [ ] 1280 x 960
   - [ ] 640 x 480
   - [TIFF] TIFF IMAGE
4. Available number of shots
5. SD memory card indicator (if present)
6. Battery power indicator
   - [ ] Full battery power
   - [ ] Medium battery power
   - [ ] Low battery power
   - [ ] Virtually no battery power
7. Scene mode
   - [AUTO] AUTO
   - [ ] BACKLIGHT
   - [ ] PORTRAIT
   - [ ] LANDSCAPE
   - [ ] NIGHT SCENE
   - [ ] SPORTS
   - [ ] MACRO
8. Flash mode
   - [ ] RED EYE
   - [ ] NO FLASH
   - [ ] AUTO FLASH
   - [ ] FORCED FLASH
9. Self-timer icon (if used)
   - [ ] 3-second delay
   - [ ] 10-second delay
10. White balance
    [**AUTO**]AUTO
    - [ ] DAYLIGHT
    - [ ] CLOUDY
    - [ ] SUNSET
    - [ ] TUNGSTEN
    - [ ] FLUORESCENT
11. Capture mode icon
    - [ ] SINGLE
    - [ ] CONTINUOUS
    - [ ] AEB
12. Time
13. Date
14. Focus area
15. Exposure value (no indication with 0EV)
16. Zoom status

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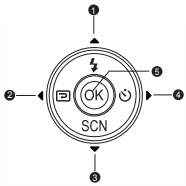
3.1.2 Changing Camera Settings

Camera settings can be changed with the five-way button.



1. **Up/Flash**: Scrolls upwards in menus and enables you to choose the appropriate flash setting.
2. **Left/Quick View**: Scrolls left in menus and enables you to view the last picture that was captured.
3. **Down/Scene**: Scrolls downwards in menus and enables you to choose the scene.
4. **Right / Self-Timer:** Scrolls right in menus and toggles through the self-timer settings.
5. **OK**: Enters the menu page and confirms the chosen setting.

3.1.2.1 Setting the Scene Mode

This sets the scene mode for capturing images.

1. Press the **POWER** button to turn on the camera. Make sure the camera is in [ ] mode.
2. Press the **SCN** button.
   The screen of scene mode menu is displayed.
3. Use the ▲/▼/◀/▶ buttons to select the desired scene mode, then press the **OK** button to confirm.

The table below will help you choose the appropriate scene mode:

Icon	Scene mode	Description
	Auto	Select this mode when you want to leave the settings up to the camera to capture images with ease.
	Backlight	Select this mode while capturing images with the light coming from behind the subject. The flash is fixed at [ ]
	Portrait	Select this mode when you want to capture an image that makes the person stand out against a defocused (blurred) background. The default flash mode is set to [ ] which is effective in reducing the red-eye phenomenon.
	Landscape	Select this mode to enhance color, saturation shown in mountains, forests and other landscape scenery or to take portraits that feature a landmark in the background. The flash is fixed at [ ].
	Night Scene	Select this mode when you want to photograph people with an evening or night scene background.
	Sports	Select this mode when you want to capture fast-moving subjects.
	Macro	Select this mode to capture close-up subject. The flash is fixed at [ ]

Notes

- The description of each scene serves as a general guide. Set the digital still camera to suit your own preferences.
- The scene mode can be set only in [ ] mode.

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3.1.2.2 Using the Flash

The flash is designed to function automatically when lighting conditions warrant the use of flash. You can capture an image using a flash mode suitable to your circumstances.

1. Press the **POWER** button to turn on the camera.
2. Slide the mode switch to [ ].
3. Press the button.
   The screen of flash mode menu is displayed.
4. Use the ▲/▼/◀/▶ buttons to select the desired flash mode, then press the **OK** button.
   The flash mode you set will be displayed on the LCD monitor.
5. Compose your scene and press the shutter button.

The table below will help you to choose the appropriate flash mode:

Icon	Flash Mode	Description
	RED EYE	Use this mode to reduce the red-eye phenomenon when you want to capture natural-looking images of people and animals in low-light conditions. When capturing images, the red-eye phenomenon can be reduced by asking the subject (person) to look at the digital still camera or get as close to the digital still camera as possible.
	NO FLASH	Use this mode in the environment that the flash use is prohibited or under the situation that the distance to the subject is too far away for the flash to have any effect.
	AUTO FLASH	The flash fires automatically according to the photographic conditions.
	FORCED FLASH	The flash will always fire regardless of the surrounding brightness. Select this mode for recording images with high contrast (backlighting) and deep shadows.

Notes

- In [ ] backlight mode, the flash is fixed at [ ].
- In [ ] landscape and [ ] macro modes, the flash is fixed at [ ].
- In the capture mode [ ] continuous and [ ] AEB, the flash is fixed at [ ].
- The flash cannot be used in the [ ] mode.

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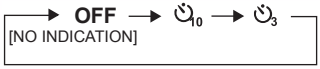
3.1.2.3 Using the Self-Timer

The self-timer can be set in [ ] mode. This feature is useful for situations where you may wish to join into the scene when taking group shots.

1. Secure the camera to a tripod or place it on a stable surface.
2. Press the POWER button to turn on the camera.
3. Slide the mode switch to [ ].
4. Toggle the button to select the desired self-timer mode.



5. Compose your image and press the shutter button.

- The self-timer function is activated and the status of countdown is displayed on the LCD monitor.
- The self-timer LED flashes and the image will be captured after the preset time has elapsed.
- To cancel the self-timer during operation, press the button.

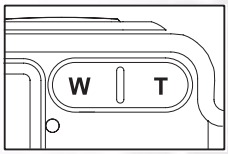
Note

The self-timer setting is automatically cancelled after an image is captured.

3.1.2.4 Using the Optical Zoom

Zoom photography allows you to capture images magnified up to 3 times or wide-angle photography depending on the distance up to the subject. You can further enlarge the center of the screen and capture images using the digital zoom.

1. Slide the mode switch to [ ] or [ ].
2. Compose the image with the zoom button.



- Pressing the **T** button zooms in on the subject, and enlarges the subject on the LCD monitor.
- Pressing the **W** button provides a wider-angle image.
- The lens position moves according to the zoom button setting.

3. Press the shutter button down halfway to set the focus and exposure, then press it down fully to capture the image.

Note

Zoom function cannot be used while a video clip is recording.

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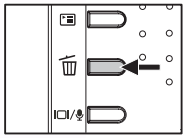
3.1.2.5 Deleting Images

Use this function to delete one or all images/video clips stored in the internal memory or memory card. Please note that the deleted images or video clips cannot be recovered.

Immediate Erasure (Quick Delete Function)

The quick delete function enables you to delete the last image during capture.

1. Slide the mode switch to [ ] or [ ].
2. Press the button.
   The last image and delete message appears on the screen.
3. Use the ◀ /▶ buttons to select [YES], then press the **OK** button.
   If you wish to cancel the deletion, select [NO].



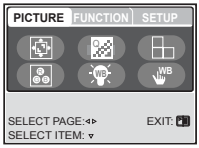
Note

Protected images cannot be deleted

3.1.3 Capture Mode Menus Settings

3.1.3.1 Capture Mode Picture Menu

1. Slide the mode switch to [ ].
2. Press the button to access in Camera menu, then use the ◀/▶ buttons to select [PICTURE] menu.
3. Use the ▲/▼/◀/▶ buttons to select the desired item in [PICTURE] menu, then press the **OK** button.
4. To exit from the menu, press the button.



Icon	Item	Functional Description
	SIZE	Sets the size of the image that will be captured. 5M 2560 x 1920 3M 2048 x 1536 1M 1280 x 960 VGA 640 x 480 TIFF TIFF IMAGE
	QUALITY	Sets the quality (compression rate) at which the image is captured. SUPER FINE FINE NORMAL
	SHARPNESS	Sets the level of image sharpness. HIGH NORMAL LOW

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Icon	Item	Functional Description
	COLOR	Sets the color of the image that will be captured. NORMAL B&W SEPIA
WB	WHITE BALANCE	Sets the white balance when capturing images under specific lighting conditions. AUTO AUTO DAYLIGHT CLOUDY SUNSET TUNGSTEN FLUORESCENT
WB	MANUAL WB	Allows for manually setting the white balance. Manual WB is convenient when the white balance presets do not offer a good match to your specific lighting conditions. Before selecting [EXECUTE], select a white subject (such as a white paper) that will be used to set the white balance. – EXECUTE/CANCEL

3.1.3.1.1 Setting the White Balance

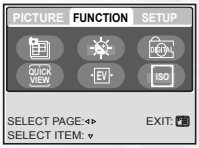
The human eye adapts to changes in light so that white objects still appear white even when the light changes. With a digital camera, however, the color of the subject is influenced by the color of the light surrounding it. This color adjustment is called "white balance adjustment". This setting allows you to set the white balance when capturing images under specific lighting conditions.

3.1.3.1.2 Adjusting the White Balance Manually

Manual white balance lets you configure the digital still camera for a particular light source and other conditions. Note that you must perform manual white balance under the same conditions you will be shooting. You must also have a piece of white paper or other similar object on hand in order to perform this function.

3.1.3.2 Capture Mode Function Menu

1. Slide the mode switch to [ ].
2. Press the button to access in Camera menu, then use the ◀/▶ buttons to select [FUNCTION] menu.
3. Use the ▲/▼/◀/▶ buttons to select the desired item in [FUNCTION] menu, then press the **OK** button.
4. To exit from the menu, press the button.



Icon	Item	Functional Description
	CAPTURE MODE	Sets the recording method at the time of capturing images. [S] SINGLE CONTINUOUS AEB

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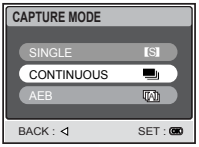
Icon	Item	Functional Description
	LCD BRIGHTNESS	Selects a brightness level for the LCD monitor. The adjustment range is from –5 to +5.
DIGITAL	DIGITAL ZOOM	Enables or disables digital zoom. – ON/OFF
QUICK VIEW	QUICK VIEW	Sets to display a captured image on LCD monitor immediately after you have captured the image. – ON/OFF
EV	EXPOSURE	Sets to obtain the correct exposure when the subject is much brighter or darker than the background. The exposure compensation value can be set in the range from –2.0EV to +2.0EV in 0.5EV intervals.
ISO	ISO	Sets the light sensitivity for capturing images. When the sensitivity is raised (the ISO figure is increased), the camera sensitivity is enhanced for low-lighting, but your images will appear more pixilated (grainy). – AUTO/100/200

3.1.3.2.1 Continuous Capture

In continuous capture mode, you can capture a rapid sequence of images with one press of the shutter button. This function is very useful for photographing objects in motion where it is difficult to determine the precise moment of capture. Afterwards, you may review the sequence of images to select the best one.

1. Use the ▲/▼ buttons to select [CONTINUOUS], then press the **OK** button.
2. To exit from the menu, press the button.

   The indicator is displayed on the monitor screen.
3. Press the shutter button down halfway to lock the focus.
4. Press the shutter button down all the way to capture images. Capturing will stop when the shutter button is released.



Notes

- Maximum number of continuous shots: 5.
- In CONTINUOUS mode, the flash mode will be set to NO FLASH automatically.

3.1.3.2.2 Auto-Exposure Bracketing (AEB)

Auto-exposure bracketing is an effective technique when it is difficult to determine the precise exposure of a scene. Using AEB the camera will capture a sequential burst of three images at three different exposure settings. Afterwards, you may review the sequence of images to select the best exposure.

Note

In AEB mode, the flash mode will be set to **NO FLASH** automatically.

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3.1.3.2.3 Using the Digital Zoom

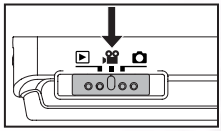
Using a combination of 3 times optical zoom and 4 times digital zoom permits zoom photography up to 12 times to suit the subject and the distance. Digital zoom is a compelling feature, however, the more an image is enlarged (zoomed), the more pixilated (grainer) the image will appear.

Note

The zoom setting is automatically cancelled by either turning the camera off or the activation of the Auto Power Off function.

3.2 Video Mode

1. Press the POWER button to turn on the camera.
2. Slide the mode switch to [🎥].
3. Compose the image with the zoom button, if desired.
   - Optical zoom should be set while composing the scene.
   - Optical zoom cannot be used during movie capture.
4. Press the shutter button to start recording.
5. Press the shutter button again to stop recording.



Notes

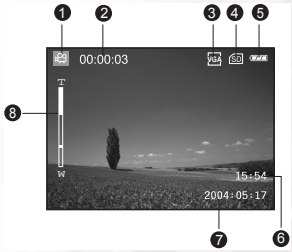
- The flash and self-timer cannot be used in [🎥] mode.
- While a video is being recorded to an SD card, do not open the battery/SD card cover, nor remove the battery or SD card. Doing so might damage the SD card or destroy the data.

3.2.1 Movie Mode LCD Monitor Information

1. Movie mode
2. Available recording time/Elapsed time
3. Video size

   [VGA] 640 x 480

   [QVGA] 320 x 240
4. SD memory card indicator (if present)
5. Battery power indicator
6. Time
7. Date
8. Zoom status



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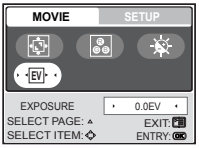
3.2.2 Movie Mode Menu Settings

1. Slide the mode switch to [ ].
2. Press the button to access in Camera menu, then use the ◀/▶ buttons to select [FUNCTION] menu.
3. Use the ▲/▼/◀/▶ buttons to select the desired item in [FUNCTION] menu, then press the **OK** button.
4. To exit from the menu, press the button.

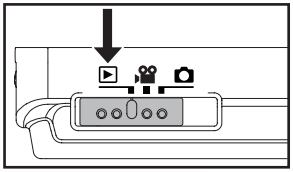


Icon	Item	Functional Description
	SIZE	Sets the size of the image that will be recorded. – 640 x 480 – 320 x 240
	Color	Sets the color of the image that will be copied. – NORMAL – B&W – SEPIA
	LCD BRIGHT	Selects a brightness level for the LCD monitor. The adjustment range is from -5 to +5.
EV	EXPOSURE	Sets the correct exposure when the subject is much brighter or darker than the background. The exposure compensation value can be set in the range from -2.0EV to +2.0EV in 0.5EV intervals.

3.3 Playback Mode

In the playback mode, you can view, magnify, delete images, play video clips, or run a slide show. This mode also provides a thumbnail image display, allowing you to quickly search for the desired image.

1. Press the POWER button to turn on the camera.
2. Slide the mode switch to [ ].
3. Use the ◀/▶ buttons to select the desired images.
   - To view the previous image, press the ◀ button.
   - To view the next image, press the ▶ button.



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3.3.1 Playback Mode LCD Monitor Information (Image)

1. Playback mode
2. Frame number
3. SD memory card indicator (if present)
4. Battery power indicator
5. Image size (resolution)
6. Camera mode

3.3.2 Viewing Images

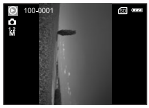
3.3.2.1 Rotating Images

Pressing the ▲/▼ buttons during image playback will rotate the image 90 degrees.

The ▲ button rotates the image clockwise, whereas the ▼ button rotates the image counterclockwise.

90°Counterclockwise

0°(Original)



90°Clockwise

Notes

- If there is no image stored in the internal memory or memory card, [NO PICTURE] message will appear on the monitor.
- Pressing the button while playing back images changes the LCD display in the sequence of: Standard display → Detailed display → No information.

3.3.2.2 Magnifying Images

While reviewing your images, you may enlarge a selected portion of an image. This magnification allows you to view the details. Images that are being displayed can be enlarged in 8 times enlargement.

1. Adjust the zoom ratio by using the zoom button.
   - To enlarge the selected image, press the T button.
   - To return to normal magnification, press the W button.
   - The magnification factor is displayed on the LCD monitor.
2. To view different portion of the images, press the ▲/▼/◀/▶ buttons to adjust the display area.
   You will see a white frame with a pink box inside. The white frame indicates the entire image, while the pink box shows the location of the currently enlarged area.
3. To return to regular display, toggle the **W** button until the regular display appears on the screen.

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Note

The range of magnification factor is: 1.5x, 2.0x, 2.5x, 3.0x, 3.5x, 4.0x, 4.5x, 5.0x, 5.5x, 6.0x, 6.5x, 7.0x, 7.5x and 8.0x.

3.3.2.3 Thumbnail Display (Index Playback)

This function allows you to view four or nine thumbnail images on the LCD monitor simultaneously so you may search for a particular image.

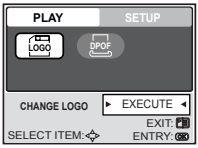
1. Press the **W** button.
   Four or nine thumbnail images are displayed simultaneously.
2. Use the ▲/▼/◀/▶ buttons to select the image to be displayed at regular size, then press the **OK** button to display the selected image on full screen.

Note

As appropriate, the [📷] or [🎥] icon will be displayed in a thumbnail display.

3.3.3 Playback Mode Menu Settings

1. Slide the mode switch to [▶].
2. Press the MENU button to access in PLAY menu.
3. Use the ▲/▼/◀/▶ buttons to select the desired setting, then press the **OK** button.
4. To exit from the menu, press the MENU button.



Icon	Item	Functional Description
SLIDE SHOW	SLIDESHOW	This function enables you to play back your images automatically in sequential order as a slide show. This is a very useful and entertaining feature for reviewing recorded images and for presentations. – 3SEC/5SEC/7SEC/9SEC
	PROTECT	Set the data to read-only to prevent images from being erased by mistake. – YES/NO
	DELETE ALL	Delete all files – YES/NO

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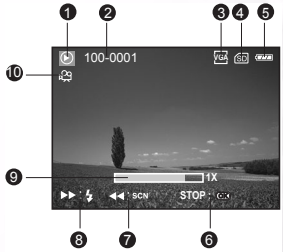
Icon	Item	Functional Description
COPY	COPY TO CARD	Allows you to copy your files from the digital still camera's internal memory to a memory card. Of course, you can only do this if you have a memory card installed and some files in internal memory. – YES/NO
Index	THUMBNAIL	Allows you to view 4 or 9 thumbnail images on the LCD monitor at the same time, which can quickly search for the image that you want. – 4/9
R	RESIZE	Changes the size of a recorded image. – 2560 x 1920 – 2048 x 1536 – 1280 x 960 – 640 x 480 – EXIT
LOGO	CHANGE LOGO	Allows you to specify one of your recorded images as your startup screen, which will be displayed on the monitor whenever you turn on the camera. – EXECUTE/CANCEL
DPOF	DPOF	DPOF (Digital Print Order Format) allows you to embed printing information on your memory card. Files saved in the DPOF format can be printed using compatible printers or through a laboratory printing device.

3.3.4 Playback Mode LCD Monitor Information (Video)

1. Playback mode
2. Frame number
3. Video size
4. SD memory card indicator (if present)
5. Battery power indicator
6. Stop indicator
7. Fast reverse playback indicator
8. Fast forward playback indicator
9. Video status bar
10. Movie mode



3.3.5 Playing Back Video Clips

Press the shutter button to start playing back a video clip.

- To pause or resume video playback, press the shutter button.
- To stop playback, press the **OK** button.
- Use the ▼ button to start fast-reverse playback.
- Use the ▲ button to start fast-forward playback.

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Notes

- The zoom function cannot be activated while playing back video clips.
- To play back video clips on the computer, we recommend you to use Windows Media Player 9.0 (WMP 9.0). You can download WMP version from the website at www.microsoft.com.
- Pressing the button in video playback mode changes the LCD display in the sequence of: Indicators on ⟶ Indicators off.

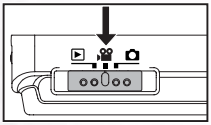
3.4 Audio Mode

Audio mode allows you to use the DC E53+ as a voice recorder. Sound saved on the installed SD memory card or in the camera's internal memory.

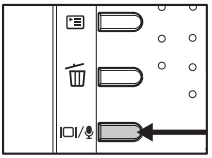
3.4.1 Recording Voice Files

1. Press the POWER button to turn on the camera (**A**).
2. Slide the mode switch to [🎥] (**B**).
3. Press the ▣/🎤 button to access Audio mode.
4. Press the shutter button to start recording (**C**).
   - A ● indicator is displayed on the screen.
   - Recording stops when you press the shutter button again.

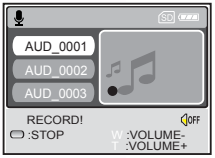
A



B

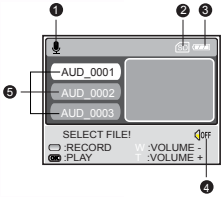


C



3.4.2 Audio Mode LCD Menu

1. Audio mode
2. SD memory card indicator (if present)
3. Battery power indicator
4. Sound level (speaker volume)
5. Audio file name



3.4.3 Playing Back a Voice File

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1. Perform the above steps 1~3.
   Voice playlist appears on the screen.
2. Use the ▲/▼ buttons to select the voice file you want to play.
3. Press the **OK** button to start playback of the voice file through the camera's speaker.
   - To pause playback, press the button.
   - To resume playback, press the **OK** button.
   - To stop playback, press the **OK** button again.

3.4.4 Deleting Voice Files

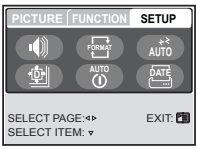
1. Make sure the camera is in Audio mode.
2. In the Audio mode, use the ▲/▼ buttons to select the voice file you want to delete.
3. Press the button to delete the selected voice file.
4. When the delete message appears, use the ◀/▶ buttons to select [YES], and then press the **OK** button.
   If you wish to cancel the deletion, select [NO].

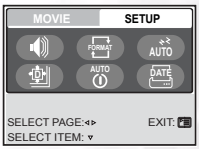
3.5 Setup Mode

This feature allows you to set up the default settings for using your camera in addition to image-related settings. Select your personal preferences for the camera with this mode.

3.5.1 Setup Menus in Camera and Movie Mode

1. Slide the mode switch to [ ] or [ ].
2. Press the button.
3. Press the ◀/▶ buttons to select the [SETUP] menu.
4. Use the ▲/▼/◀/▶ buttons to select the desired setting, then press the **OK** button.





Icon	Item	Functional Description
SLIDE SHOW	SPEAKER	Enables or disables the sounds associated with camera button functions. – ON/OFF

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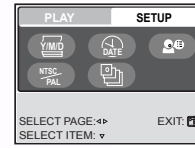
Icon	Item	Functional Description
	FORMAT	Erases all data and reformats the internal memory or the SD card loaded in your camera. Protected images are also erased. SD card cannot be formatted if it is write-protected. – YES/NO
	SLEEP	If the camera goes unused for a certain period of time while the camera is powered on, it will switch to idle mode. If the camera is idle, re-active it by pressing any button. – OFF / 30SEC / 1MIN. / 2MIN
COPY	RESET	Returns all basic settings to the digital still camera's default settings. The time setting will not be reset. – YES/NO
Index	POWER OFF	If no operation is performed for a specific period of time, the camera will automatically turn off. This feature is useful to reduce battery consumption. – OFF / 3MIN. / 5MIN. / 10MIN.
R	DATE PRINTING	The date of recording can be printed directly on still images. This function must be activated before the image is captured. – ON/OFF

3.5.2 Setup Menus in Playback Mode

1. Slide the mode switch to [▶].
2. Press the ☰ button.
3. Press the ◀/▶ buttons to select the [SETUP] menu.
4. Use the ▲/▼/◀/▶ buttons to select the desired setting, then press the **OK** button.



Icon	Item	Functional Description
Y/M/D	DATE TYPE	Sets the displayed type of date and time on the screen.*[Y/M/D]: Year/Month/Day – [D/M/Y]: Day/Month/Year – [M/D/Y]: Month/Day/Year
DATE	DATE SETUP	Sets the date and the time.
	LANGUAGE	Sets the language that is displayed on the LCD monitor.
NTSC PAL	VIDEO OUT	VIDEO OUTSets video output standard of the camera so you may connect your camera to video equipment. – PAL / NTSC
	VERSION	Displays the firmware version of the camera.

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4 PC DEPENDENT FEATURES

4.1 Bundled Software

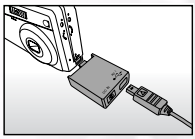
The DC E53+ is supplied bundled with the following software:

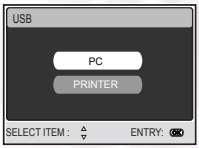
Ulead Photo Express	Ulead® Photo Express™ 5.0 SE is a complete photo project software for digital images. Acquire photos effortlessly from digital cameras or scanners. Edit and enhance images using easy-to-use editing tools and cool photographic filters and effects. Assemble creative photo projects and share results via e-mail and multiple print options.
Ulead Photo Explorer	Ulead® Photo Explorer™ 8.0 SE Basic provides an efficient way to transfer, browse, modify and distribute digital media. It is the all-in-one tool for owners of digital cameras, Web Cams, DV camcorders, scanners or anyone who strives to effectively handle digital media.
Ulead Video-Studio	Ulead® VideoStudio™ 8 SE VCD is home video editing software that makes editing movies as fun as shooting them. Users can make one in three easy steps using the new Movie Wizard mode. Share finished projects on VCD, tape, the Web, and mobile devices.

To install the software, refer to the information supplied with the CDs.

4.2 USB Mode

1. Insert the conversion adapter into the conversion adapter terminal of the camera as shown in the illustration.
2. Connect the end of the smaller plug of the USB cable to the conversion adapter.
3. Connect the other end of the USB cable to an available USB port on your computer.
4. Turn on the camera.
   [USB] screen is displayed.
5. Use the ▲/▼ buttons to select [PC], then press the **OK** button.
6. There will be a new “Removable Disk” icon detected in “My Computer”, in which contains your recorded images/video clips/audio files.





Note:

When connecting to the computer, it is necessary to install the battery or use an AC power adapter.

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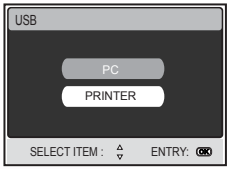
4.3 Printer Mode

If a printer that supports PictBridge is available, images can be printed by connecting the digital still camera directly to the PictBridge-compatible printer without using a computer.

Connecting the Camera to the Printer

1. Connect the USB port on the camera and the USB jack on the printer with the supplied USB cable, then turn on your camera and the printer.
   The "USB" screen is displayed.
2. Use the ▲/▼ buttons to select [PRINTER], then press the **OK** button.

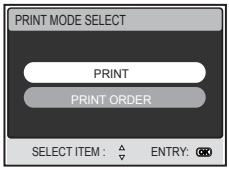


Printing images

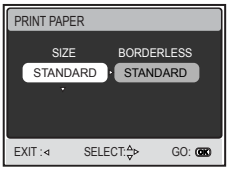
When the camera is properly connected to a PictBridge compliant printer, the [PRINT MODE SELECT] screen is displayed on the monitor. Use the ▲/▼ buttons to select the print mode.

In [PRINT] Mode: Lets you print the specified image with PictBridge.

1. Use the ▲/▼ buttons to select the [PRINT] mode, then press the **OK** button.
   The [PRINT PAPER] screen is displayed.



2. Use the ▶ button to access in the selection of paper setting, then press the **OK** button to confirm.
   [SIZE]: You may select the desired item depending on the type of printer being used.
   [BORDERLESS]: You may select the desired item depending on the type of printer being used.



3. Use the ◀/▶ buttons to select the image you want to print, then press the ▼ button to set MORE print reservations.

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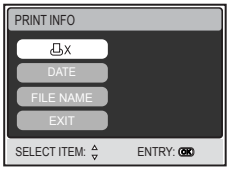
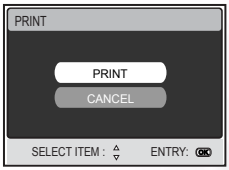
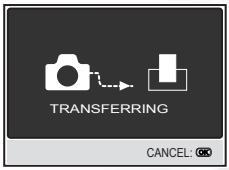
4. Use the ▲/▼ buttons to select the desired item, then press the **OK** button.
   Use the ▲/▼ buttons to change the setting, then press the **OK** button to confirm.
   [🖶X]: Specifies the number of prints. You can select the number up to 10.
   [DATE]: If you select [WITH], images are printed with the date.
   [FILE NAME]: If you select [WITH], images are printed with the file name.
   [EXIT]: To cancel the print settings, use the ▲ /▼ buttons to select [EXIT].



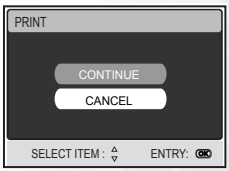
5. After configuring the print settings, you can still use the ◀/▶ buttons to change the image that you want to print. Then, press the **OK** button to print.
6. Use the ▲/▼ buttons to select [PRINT], then press the **OK** button to confirm.



7. The printing starts, and the message "TRANSFERRING" is displayed on the screen. The message will disappear after the printing is finished.



8. Pressing the **OK** button during print data transfer displays the screen for selecting whether to [CONTINUE] or [CANCEL] printing.



In [PRINT ORDER] Mode: This function lets you print the specified images that have configured DPOF settings.

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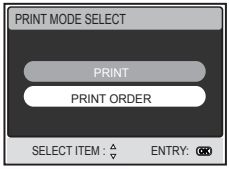
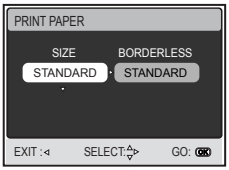
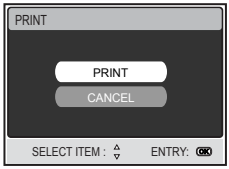
1. Use the ▲/▼ buttons to select the [PRINT ORDER] mode, then press the **OK** button.



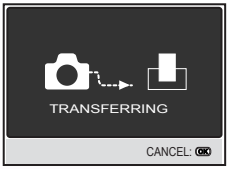
2. Use the ▶ button to access in the selection of paper setting, then press the **OK** button to print.
[SIZE]: You may select the desired item depending on the type of printer being used.
[BORDERLESS]: You may select the desired item depending on the type of printer being used.



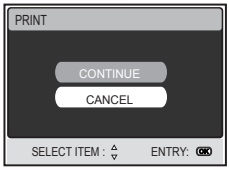
3. Use the ▲/▼ buttons to select [PRINT], then press the **OK** button to confirm.



4. The printing starts, and the message "TRANSFERRING" is displayed on the screen. The message will disappear after the printing is finished.



5. Pressing the **OK** button during print data transfer displays the screen for selecting whether to [CONTINUE] or [CANCEL] printing.



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5 TROUBLESHOOTING

Refer to the symptoms and measures listed below before sending the camera for repairs. If the problem persists, contact your local reseller or service center.

Symptom	Cause	Measure
The power does not come on.	The battery is not loaded.	Load the battery correctly.
	The battery is exhausted.	Recharge or use the AC power adapter.
	The AC power adaptor is not connected correctly.	Reconnect it properly.
The battery runs out quickly.	It is being used in extreme low temperature.	—
	Many shots are being captured in dark places, requiring flash.	—
	The battery is not fully charged. The battery is not used for an extended period of time after being charged.	Fully charge the battery and discharge it for at least one complete cycle before use to maximize its performance and lifetime.
The battery or camera feels warm.	Long period of continuous use of the camera or the flash.	—
The flash does not fire. The flash cannot recharge.	The camera is set to / / / /	Switch the camera to a mode other than those listed.
	The flash is set to no flash.	Set the flash to something other than no flash mode.
Even though the flash fired, the image is dark.	The distance to the subject is greater than the flash's effective range.	Get closer to the subject and shoot.
The image is too dark.	The image was captured in a dark place while set to no flash.	Set the flash to another mode.
	It is under-exposed.	Set the exposure compensation to a larger value.
The image is too bright.	The image is over-exposed.	Set the exposure compensation to a smaller value.

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Symptom	Cause	Measure
Even if I press the shutter button, the camera does not shoot.	The battery is running low.	Recharge or use the AC power adapter.
	The camera is not in shooting mode.	Slide the mode switch to shooting mode.
	The shutter button is not pressed al the way.	Press the shutter button all the way.
	The internal memory or memory card does not have any free space.	Load a new card, or delete unwanted files.
	The flash is recharging.	Wait until the flash mode icon indicated on the screen stops flashing.
	The memory card is unrecognized by the camera.	Format the memory card in this camera before its first use or when it was used other than this camera.
Cannot format a memory card.	The memory card is write-protected.	Remove the write protection.
	End of the memory card life.	Load new memory card.
Cannot download images.	The free space on the hard disk in your computer is insufficient.	Check whether the hard disk has space for running Windows and if the drive for loading image files has free space of at least that of the memory card in the camera.
	No power supply.	Recharge the battery or use the AC adapter, or turn the power on.

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SPECIFICATIONS

Image Sensor	1/2.5-inch CCD
	Effective Pixels: 4.92 megapixels Total Pixels: 5.04 megapixels
LCD Display	2.5-inch color LTPS LCD
Lens	Focal Length: f=5.4-16.2 mm (32mm-96mm; 35mm Equivalent)
	F No.: F2.8 / F4.8
Focusing	TTL Auto Focus
	Range: Macro: 6 cm, Normal: 50 cm ~ infinity
Shutter	Mechanical shutter: Up to 1/1000 sec.
Shooting Mode	Single / Continuous (5 pic) / AEB (3 pic)
Flash	Modes: Auto / Forced flash / Red - eye reduction / Flash off /
	Range: 0.6 ~ 2.5m, Recharging time: 6 sec.
Self-timer	10 sec, 3 sec,
Exposure	Compensation: ±2 EV (0.5 EV / step)
ISO	Auto / 100 / 200
White Balance	Auto / Daylight / Cloudy / Sunset/ Tungsten / Fluorescent
File Format	Still Image: JPEG format (EXIF2.2, DCF, DPOF), TIFF format, Image Size: 2560x1920, 2048x1536, 1280x960, 640x480 pixels
	Movie Clips: ASF format with Continuous recording. Movie Size: 640x480 (30 fps), 320x240 (30fps),
Storage	Built-in memory: 16MB / SD Card compatible.
Image Play	Single image / ASF play / Thumbnails / Slide show
Interface (with conversion adapter)	Digital output: USB 1.1 DC input 5V
Power Source	Specified Rechargeable Lithium-ion Battery / AC adaptor.
Dimensions (WxHxD)	88.5 x 54.4 x 24 mm
Weight	Approx.130g (w/o battery, SD card)

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7 SERVICE INFORMATION

Technical Support

If you encountered problems using DC E53+ and the camera driver program, please visit the following web address:

http://support.BenQ.com

For free driver program updates, product information and news release, please visit the following web address:

http://www.BenQ.com

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